Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-20 (Cancelled)

21. (New) A method for efficiently assembling a processing system in a manufacturing environment, the method comprising:

parsing a boot request packet from an SUT (system under test) to extract a MAC (media access control) address of the SUT; and

binding the MAC address of the SUT to an MTSN (machine type serial number) directory for the SUT, the MTSN directory comprising a process state file built based on a customer order associated with the SUT.

22. (New) The method of claim 21, wherein parsing of a boot request packet and binding of the MAC address are performed by a floor system server in communication with the SUT.

23. (New) The method of claim 21, wherein parsing of a boot request packet and binding of the MAC address is performed for each of one or more network adapters in the SUT.

24. (New) The method of claim 21, further comprising:

creating a file with a binding entry for the MAC address of the SUT.

25. (New) The method of claim 21, further comprising:

parsing a boot reply packet from the SUT to extract the MAC address of the SUT;

initiating transfer of the MTSN directory bound to the MAC address of the SUT to a local server in communication with the SUT when the MTSN directory is not already on the local server;

setting the MTSN directory on the local server to be a working directory for the SUT; and

launching a start-up script for the SUT to start a sequencer, the sequencer being a tool operable to control execution of tasks on the SUT.

26. (New) The method of claim 25, wherein parsing of a boot reply packet, initiating transfer of the MTSN directory, setting of a working directory, and launching of a start-up script are performed by a local control machine in communication with the SUT and the local server.

27. (New) The method of claim 25, wherein the MTSN directory is transferred from a secondary server in communication with the local server.

28. (New) A computer readable medium encoded with a computer program for efficiently assembling a processing system in a manufacturing environment, the computer program comprising instructions for:

parsing a boot request packet from an SUT (system under test) to extract a MAC (media access control) address of the SUT; and

binding the MAC address of the SUT to an MTSN (machine type serial number) directory for the SUT, the MTSN directory comprising a process state file built based on a customer order associated with the SUT.

29. (New) The computer readable medium of claim 28, wherein parsing of a boot request packet and binding of the MAC address are performed by a floor system server in communication with the SUT.

30. (New) The computer readable medium of claim 28, wherein parsing of a boot request packet and binding of the MAC address is performed for each of one or more network adapters in the SUT.

31. (New) The computer readable medium of claim 28, wherein the computer program further comprises instructions for:

creating a file with a binding entry for the MAC address of the SUT.

32. (New) The computer readable medium of claim 28, wherein the computer program further comprises instructions for:

parsing a boot reply packet from the SUT to extract the MAC address of the SUT;

initiating transfer of the MTSN directory bound to the MAC address of the SUT to a local server in communication with the SUT when the MTSN directory is not already on the local server;

setting the MTSN directory on the local server to be a working directory for the SUT; and

launching a start-up script for the SUT to start a sequencer, the sequencer being a tool operable to control execution of tasks on the SUT.

33. (New) The computer readable medium of claim 32, wherein parsing of a boot reply packet, initiating transfer of the MTSN directory, setting of a working directory, and launching of a start-up script are performed by a local control machine in communication with the SUT and the local server.

34. (New) The computer readable medium of claim 32, wherein the MTSN directory is transferred from a secondary server in communication with the local server.

35. (New) A system for efficiently assembling a processing system in a manufacturing environment, the system comprising:

an SUT (system under test);

a floor system server in communication with the SUT, the floor system server being operable to

parse a boot request packet from an SUT (system under test) to extract a MAC (media access control) address of the SUT, and

bind the MAC address of the SUT to an MTSN (machine type serial number) directory for the SUT, the MTSN directory comprising a process state file built based on a customer order associated with the SUT.

36. (New) The system of claim 35, wherein the floor system server is further operable to parse a boot request packet and bind the MAC address for each of one or more network adapters in the SUT.

37. (New) The system of claim 35, wherein the floor system server is further operable to create a file with a binding entry for the MAC address of the SUT.

38. (New) The system of claim 35, further comprising:

a local control machine in communication with the SUT, the local control machine being operable to

parse a boot reply packet from the SUT to extract the MAC address of the SUT;

initiate transfer of the MTSN directory bound to the MAC address of the SUT to a local server in communication with the local control machine and the SUT when the MTSN directory is not already on the local server;

set the MTSN directory on the local server to be a working directory for the SUT; and

launch a start-up script for the SUT to start a sequencer, the sequencer being a tool operable to control execution of tasks on the SUT.

39. (New) The system of claim 38, wherein the MTSN directory is transferred from a secondary server in communication with the local server.